

16698 U.S. PTO  
012304

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22553 U.S. PTO  
10/762571  
012304

Atty. Docket No.: 3380-Z

**UTILITY PATENT APPLICATION TRANSMITTAL**  
(Only for new nonprovisional applications under 37 C.F.R. §1.53(b))

Mail Stop PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the patent application of:

INVENTOR(S):  
1. Khader S. Abdel-Hafez (San Francisco, CA)  
2. Xiaoqing Wen (Sunnyvale, CA)  
3. Laung-Terng (L.-T.) Wang (Sunnyvale, CA)  
4. Po-Ching Hsu (Hsinchu, Taiwan)  
5. Shih-Chia Kao (Taipei, Taiwan)  
6. Hao-Jan Chao (Taoyuan, Taiwan)  
7. Hsin-Po Wang (Hsinchu, Taiwan)

TITLE: Method and Apparatus for Debug, Diagnosis, and Yield Improvement for Scan-Based Integrated Circuits

1. ☒ Specification of 32 pages.  
☒ Claims, 89 in number.  
☒ Abstract.

2. ☒ Drawings. Total Sheets: 30

3. ☐ Oath or Declaration.

a. ☐ Newly executed (original or copy)  
b. ☐ Copy from prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 5 completed)

i. ☐ DELETION OF INVENTOR(S)

Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

4. ☐ Application Data Sheet. See 37 CFR 1.76.

5a. ☐ **If a CONTINUING APPLICATION**, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP):  
of prior application Serial No.: \_\_\_\_\_

Prior application information: Group Art Unit: \_\_\_\_\_ Examiner: \_\_\_\_\_

**For: CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 3b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application part.**

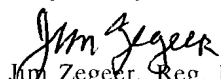
5b. ☒ Nonprovisional application based on:  
Provisional Application Serial No. 60/442,901 filed January 28, 2003.

6. ☒ Applicant claims small entity status. (see 37 CFR 1.27)
7. ☐ An assignment of the invention to: \_\_\_\_\_
8. ☐ A certified copy of \_\_\_\_\_ application No. \_\_\_\_\_ filed \_\_\_\_\_, the priority of which is hereby claimed.
9. ☐ Preliminary Amendment
10. ☐ Information Disclosure Statement (IDS) PTO-1449  
☐ Copies of IDS Citations.
11. ☒ Return Receipt Postcard (MPEP 503)
12. ☐ Other:
13. ☒ The filing fee has been calculated as shown below:

For	No. Filed	Basic	No. Extra	Rate \$	Calculations
Total Claims	89	20	69	\$ 18.00	\$1,242.00
Indep. Claims	9	3	6	\$ 86.00	\$ 516.00
<input type="checkbox"/> Multiple Dependent Claims				\$290.00	\$
BASIC FEE					\$ 770.00
TOTAL OF ABOVE CALCULATIONS					\$2,528.00
<input checked="" type="checkbox"/> Reduction by 1/2 For Filing By Small Entity					\$1,264.00
TOTAL FILING FEE					\$1,264.00

14. ☒ It is requested that the attached application be given a serial number and filing date and that correspondence concerning this application be forwarded to applicants' undersigned counsel.
15. ☒ Correspondence Address:  
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Respectfully submitted,

  
 Jim Zegeer, Reg. No. 18,957  
 Attorney for Applicants

Date: January 23, 2004